

Claims

What is claimed is:

- 5      1. A removable heat shield device for a cooling and heating unit positioned in a housing outdoors, the device comprising:
  - a first anchoring frame comprising a first rigid elongated anchoring element attachable to an external surface in line with and spaced apart from a base on one side of a housing of an outdoor cooling unit;
- 10        at least one adjustable elevating frame attachable to the housing of the outdoor cooling unit, the at least one adjustable elevating frame comprising at least one rigid elongated elevating element positioned apart from and above the housing and an attaching portion, the at least one adjustable elevating frame capable of being adjusted in width to be attachable to any of a variety of sizes and shapes of housings;
- 15        a second anchoring frame comprising a second rigid elongated anchoring element positioned apart from the housing on an opposite side of the housing from the first anchoring frame and an attaching means, the second anchoring frame capable of being adjusted in width to be attachable to any of a variety of widths of housings by a pivotable means;
- 20        a sheet of flexible material capable of dissipating heat and providing shade, the sheet of flexible material having a first end attachable to the first anchoring frame on the first rigid anchoring element and a second end attachable to the second anchoring frame on the second rigid elongated anchoring element, the sheet of flexible material capable of

being stretched over the at least one adjustable elevating frame, the sheet of flexible material having at least one portion wider than the housing so that the sheet of flexible material is capable of shielding the housing from direct sunlight;

at least one tie down means capable of being attached between the second

- 5 anchoring frame and an external support adjacent to and spaced apart from the base of the housing, the tie down means capable of pivoting the second anchoring frame to stretch the sheet of flexible material and capable of securing the second anchoring frame so that the sheet of flexible material is maintained in a stretched taut condition.

- 10 2. The device of claim 1 comprising two adjustable elevating frames, a first elevating frame attachable to the housing with a first rigid elongated elevating element above the one side of the housing adjacent to the first anchoring frame and a second elevating frame attachable to the housing with the second rigid elongated elevating element above an opposite side of the housing adjacent to the second anchoring frame,
- 15 the first and second rigid elongated elevating elements each being wider than the housing and capable of elevating the at least one portion of the sheet of flexible material wider than the housing spaced apart from the housing above the housing.

3. The device of claim 1 wherein the sheet of flexible material comprises a
- 20 three layered heat dissipating and shading covering with a bottom canvas layer for strength, a middle insulating layer, and a top reflective or heat dissipating material layer.

4. The device of claim 1 wherein the first anchoring frame comprises a first anchoring rigid rod attachable by a bracket means at each of two ends and the sheet of flexible material further comprises a first loop of material at the first end across the width of the sheet with the rigid rod insertable through the first loop of material.

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5. The device of claim 1 wherein the second anchoring frame comprises a second anchoring rigid rod wider than the unit, which second anchoring rigid rod is attachable by two arms with a pivotable means at an attaching end of each of the two arms and the sheet of flexible material further comprises a second loop of material at the 10 second end across the width of the sheet with the second anchoring rigid rod insertable through the second loop of material.

6. The device of claim 1 wherein the first anchoring frame and the second anchoring frame are capable of being aligned with the track of the sun across the sky so 15 that the housing is normally shaded by the sheet of flexible material.